"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMEZ, L.

CZECHOSLOVAKIA/ Human and Animal Morphology - Blood and Organs of Blood Production Q-4

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70350

Author : Lojda, Z., Lemez, L.
Title : Embryonic Blood of Chickens, Morpho-Cytochemical Study of Chicken Embryo Thrombocytes.

Orig Pub : Ceskosl. morfol. 1955, 3, No 4, 317-325

Abstract : Morphology and histochemistry of thromboblasts and thrombocytes of peripheral blood is described in chick embryos after 1-13 days of incubation, in chicks first day after hatching, and in the hen. It was established that the thrombocytes appear in the embryo's blood 2-3 days of incubation. In the cytoplasm of thromboblasts and thrombocytes small black granules can be seen in the phase-microscope. There are none in erythrocytes. In the fixed and well stained preparations of thrombocytes there is a well difined conpactly structured nucleus

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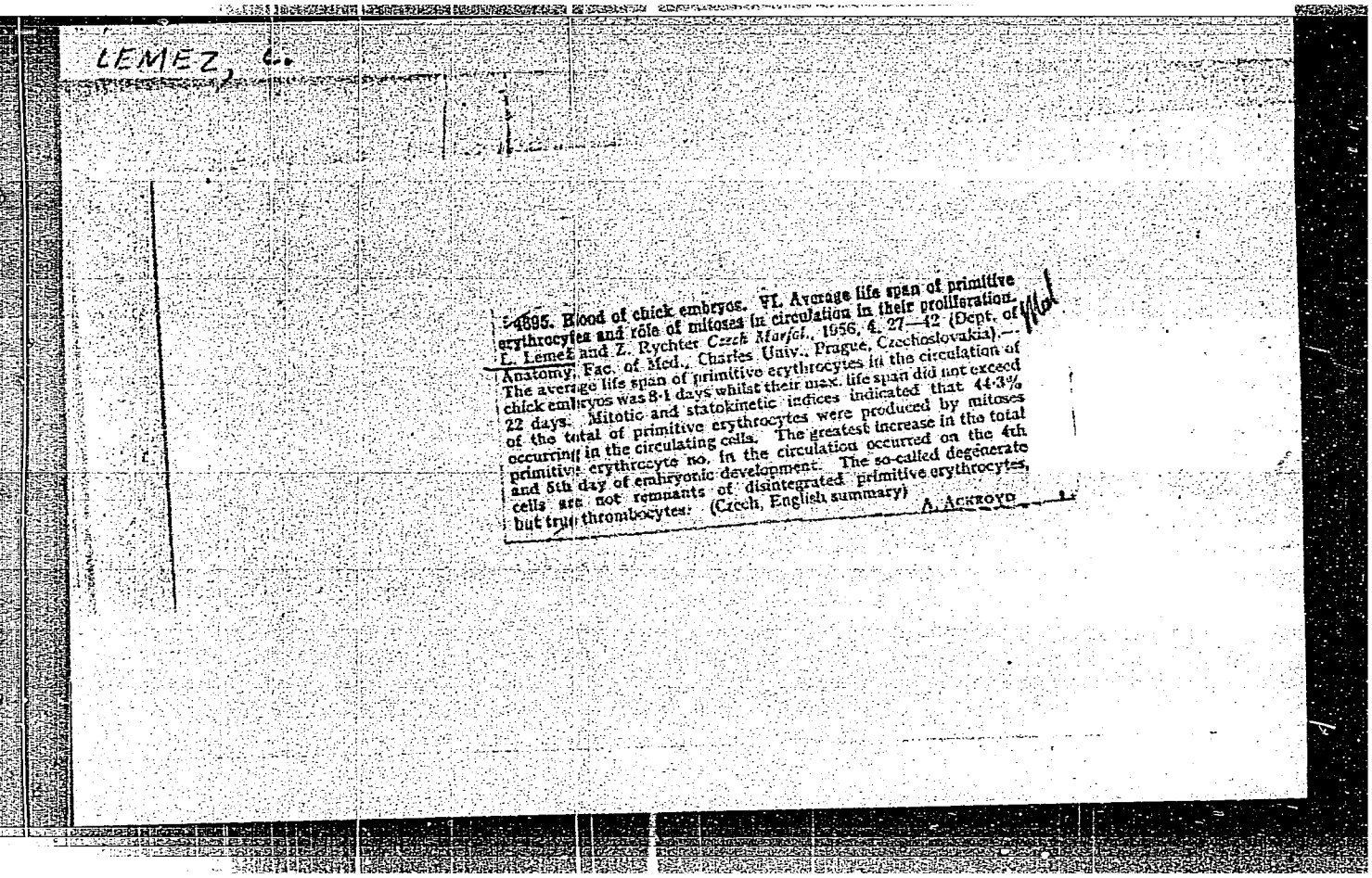

LEMEZ, L.

4895. Blood of chick embryos. VI. Average life span of primitive erythrocytes and rôle of mitoses in circulation in their proliferation. L. Lemež and Z. Rychter *Czech Morfol.*, 1956, 4, 27—42 (Dept. of Anatomy, Fac. of Med., Charles Univ., Prague, Czechoslovakia).—The average life span of primitive erythrocytes in the circulation of chick embryos was 8·1 days whilst their max. life span did not exceed 22 days. Mitotic and statokinetic indices indicated that 44·3% of the total of primitive erythrocytes were produced by mitoses occurring in the circulating cells. The greatest increase in the total primitive erythrocyte no. in the circulation occurred on the 4th and 5th day of embryonic development. The so-called degenerate cells are not remnants of disintegrated primitive erythrocytes, but true thrombocytes. (Czech, English summary)

A. Ackroyd

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

CZECHOSLOVAKIA/Human and Animal Morphology. Circulatory System S-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31300

Author : Rychter Zdenek, Lenez Leo.
Inst : Not Given
Title : The Vascular System of the Large Embryo. I. On the Problem of the Development and Experimental Morphology of Veins of the Yolk Sac.

Orig Pub : Ceskosl. morfol., 1956, 4, No 2, 142-162

Abstract : For an explanation of the functional-morphological peculiarities of veins of the yolk sac, a method is proposed of their compression by silver wire clamping. Changes of the blood flow set in immediately after the imposition of clamps and determine the formation of collateral blood-circulation, the tracts and direction of which are not changed henceforth. Only the lumen of the vessel is increased. The vein is recanalized around the compression, usually on the side where the yolk sac was perforated. The trunks v. v. vitellin

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological). I
Blood. Formed Elements.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79380.

Author : Lenez, Leo.
Inst :
Title : On the Connection Between the Averagen and Maximun Duration of the Life of Immature Erythrycytes from Embryos of Birds and Mammals.

Orig Pub: Ceskosl. morfol., 1957, 5, No 2, 201-208.

Abstract: By means of computations of formed elements by different authors the similarity was established between the triangle graphs of the duration of life (DL) of immature erythrocytes (E) of embryonic chickens and of the reticulocytes of adult persons. According to the data in the literature, immature E of mammals possess

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological) T
Blood. Formed Elements.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79380.

the same morphological development, high reticulocytosis and partial accompaniment of periods of proliferation of immature and mature E, as is found in the immature E of embryos of chickens. Seemingly, there is a conformity of the graphs of survival of immature E. By using a formula for computing of density of the triangle, it is calculated that the average DL of immature E equals $\frac{1}{2}$ of their maximal DL (represented by the base of the triangle).

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Zdenek; LEMEZ, Leo

Vascular system of the chick embryo. V. Developmental and experimental morphology of the proximal intersitial cushion of the heart bulb. Cz. morfologie 8 no.1:32-49 '60. (EEAI 9:5)

1. Anatomicky ustav lekarske fakulty Karlovy university, Prague.
(CARDIOVASCULAR SYSTEM) (HEART)
(EMBRYOLOGY) (FETUS)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Zdenek; LEMEZ, Leo

Vascular system of the chick embryo. VIII. The relation of the experimentally produced left-arcus aorta to the right ventricle. Cs morfologie 9 no.1:55-68 '61. (EEAI 10:5)

1. Anatomicky ustav lekarske fakulty Karlovy university, Praha.
(CARDIOVASCULAR SYSTEM) (AORTA) (HEART) (BLOOD)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Zdenek; LEMEZ, Leo

The vascular system of the chicken embryo. XI. Effect of the occlusion of some aortic arches on the experimental coarctation of the aorta. Cs morfologie 9 no.3:311-322 '61.

1. Anatomicky ustav fakulty vseobecneho lakarstvi Karlovy university v Praze, prednosta prof. dr. L. Borovansky.

(POULTRY)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Zdenek; LEMEZ, LEO

The vascular system of chick embryos. XII. Experimental shifting of the root of the celiac artery. Cesk. mrof. 10 no.2:125-138 '62.

1. Anatomicky ustav fakulty vseobecneho lekarstvi v Praze, prednosta, prof. dr L.Borovansky.

(CELIAC ARTERY embryol)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMEZ, L.; KOPECKY, M.

The number of erythrocyte recirculations in chich embryo and hen with a note on embryonic heart efficiency. Physiol. Bohemoslov. 11 no.2:93-100 '62.

1. Department of Anatomy, Charles University; Institute of Physiology, Department of Physiology and Pathophysiology of Metabolism, Czechoslovak Academy of Sciences Prague.

(ERYTHROCYTES physiology) (HEART embryol)
(EMBRYO physiology)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Zdenek; LEMEZ, Leo

Vascular system of the chick embroy. Part 12 : Experimental shifting of the root of the coeliac artery. Cs morfologie 10 no.2:125-138 '62.

1. Anatomicky ustav fakulty vseobecneho lekarstvi, Praha.

*

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

CZECHOSLOVAKIA

Z. RYCHTER and L. LEMEZ, Department of Anatomy of the Faculty of General Medicine of Charles University (Anatomicky ustav fakulty vseobecneho lekarstvi KU [Karlove University],) Prague.

"The Status and Perspectives of Modern Teratology with Regard to Experimental Embryology."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 2, 1963; pp 95-104.

Abstract: Review of the literature on various aspects of descriptive, experimental and clinical teratology; genetics and epidemiology of congenital malformations; organizations and publications dealing with this field. Many experimental studies are reviewed briefly including work with various physical and chemical agents such as drugs. Twelve Czech, 2 Soviet and about 50 Western references.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Z.; LEMEZ, L.

Vascular system of the chick embryo. XIII. Effect of experimental interventions on the size-ratio of the left and right eye before the 8th day of embryonal development. Cesk. morf. 11 no.4:328-336 '63.

1. Z anatomickeho ustavu fakulty vseobecneho lekarstvi university Karlovy v Praze Prednosta: prof. dr. L. Borovansky.
(EYE) (BLOOD VESSELS) (ABNORMALITIES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Z.; LEMEZ, L.

Importance and methods of the experimental study of congenital defects. Cesk. pediat. 18 no.5:432-441 My '63.

1. Anatomicky ustav fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. L. Borovansky.
(ABNORMALITIES) (HEART DEFECTS, CONGENITAL)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Z.; LEMEZ, L.

The vascular system of the chick embryo, XIV. The influence of the suppression of various yolk sac vessels and aortic arches on the 2nd day of development on the size-ratio of the left and right ete on the 4th day of incubation. Cesk. morf. 12 no.2: 203-213 '64

1. Z anatomickeho ustavu fakulty vseobecneho lekarstvi university Karlovy v Praze; prednosta prof.dr. L.Borovansky.

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APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

RYCHTER, Z.; LEMEZ, L.

The vascular system of the chick embryo, XV. Changes in the localization of the laminary blood streams of the main venous inflows to the heart in the aortic arches following experimental suppression of some yolk sac vessels on the 2nd day of incubation as related to the left microphthalmia. Cesk. morf. 12 no.3:268-282 '64

1. Z anatomickeho ustavu fakulty vseobecneho lekarstvi university Karolovy v Praze; prednosta: prof. dr. L.Borovansky.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMFELD, J.

Distr: 4E2c

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1

Influences affecting the fluctuation of silicon content in basic Bessemer pig iron. Josef Lemfeld (Spojené ocelárny n.p., Kladno, Czech.). Hutnické listy 8, 675-8(1958).—

On the basis of foreign investigation made upon the properties of ores and on comparing with the data obtained from the operation L. ascertained that at equiv. S content per ton of Fe the content of Si in basic Bessemer pig iron depends on the quantity of siliceous ores in the charge; if more siliceous ores and less Krivoj Rog ore occur in the charge, then the Si content in basic Bessemer pig iron would be lower. At a greater portion of Krivoj Rog ore in the charge a low Si content can be obtained only on decreasing the S content/ton of Fe. This property of ores expressed by the decrease of Si content in Fe is affected probably by their easy fusibility in the furnace and by the formation of a slag of lower viscosity. The slag passes through the furnace more rapidly and decreases the temp. in the body of the furnace.

Petr Schneider

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMFELD, Josef, inz.

Corrosion of blasting and cooling equipment of blast furnaces.
Hut listy 17 no.12:879-882 D '62.

1. Spojene ocelarny, narodni podnik, Kladno.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

Determination of the system heptane–toluene–pyridine–butanol. János Holló, Tamás Lemgyel, and Mrs. Gyorgy Uzonyi (Mezőgazdásagi Kém. Technol. Tanszék, Budapest, Hung.). *Magyar Kém. Lapja* 13, 440–3(1958); cf. *C.A.* 52, 17862*i*; 53, 18578*e*.—Data are graphed for the binary sub-systems of heptane–toluene, heptane–pyridine, toluene–BuOH, pyridine–BuOH; d_D^{20} and n_D^{20} are plotted against % concn. for all the systems, and surface tension *vs.* concn. for toluene–pyridine. n_D^{20} vs. concn. is plotted for the ternary systems toluene–pyridine–BuOH, heptane–pyridine–BuOH, water–pyridine–BuOH, heptane–toluene–pyridine. To analyze the quaternary system, ext. pyridine–BuOH with water and det. pyridine concn. from an aliquot (p_q). Det. heptane–toluene ratio (c) by n_D^{20}. Det. n_D^{20} in water–pyridine–BuOH phase to give BuOH–pyridine ratio d. Then if the concn. of BuOH = b_q, concn. of heptane = h_q; $h_q = (100 - p_q - b_q)c/(c + 1)$ and concn. toluene = t_q; $t_q = 100 - (p_q + b_q + h_q)$. The total analytical error is ±2.5%.

P. Farago

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMIESZEK, Grzegorz

Influence of zinc ions on the activity of alkaline phosphatase of yeasts Saccharomyces carlsbergensis. Acta Pol. pharm. 22 no.1:75-82 '65.

1. Z Dzialu Bakteriologii Panstwowego Zakladu Higieny (Kierownik Dzialu: prof. dr. E. Wojciechowski).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMIESZCH-GRODOROWSKA, K.

Determination of nitrates and nitrites in meat and meat products. P 205

POLAND

ROCZNIKI (Panstwowy Zaklad Higieny) Warsaw / Vol. 9, no. 3, 1958

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 7, July 1959

Uncl.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

POLAND/Chemical Technology - Chemical Products and Their Application. Food Industry. H.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36828

Author : Leniesnek-Chodorowska, Kr.

Inst :

Title : The Analysis of Nitrates and Nitrites in Meat and Meat Products.

Orig Pub : Roczn. Panstw. zakl. hig., 1958, 9, No 3, 205-223.

Abstract : There was developed a method of a colorimetric determination of nitrates (I) and nitrites (II) in meat products, based on the reaction of II with rivanol and of I with phenolsulphonic acid (a modification of the substitution of phenol by salicylic acid was used). The precipitation of the albumin from the meat extract produced $CdSO_4$. In the colorimetric analysis of the rose-colored solutions of II, on the Pulfrich's colorimeter, the turquoise filter No 6 was used;;in the analysis of the lemon-

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMIESZEK-CHODOROWSKA, Krystyna

Determination of sorbic acid in food. Roczn panstw zakl hig 14 no.3:231-238 '63.

1. Laboratory for Testing Food and Articles of Common Consumption, State Institute of Hygiene, Warsaw.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMIESZEWSKI, W.

A new policy on coal; an interview with Professor B.Krupinski, chairman of the Coal Committee of the European Economic Committee. Przegl techn no.51:3,4 21 D '60.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMIESZEWSKI, Witold

The machine building industry in search for investment reserves. Przegl techn no.36:3 7 S '60.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

VARGA, Yevgeniy Samuilovich, akademik; LEMIN, I.M., doktor ist. nauk, otv. red.; VYSOTSKAYA, V.B., red.; DOROKHINA, I.N., tekhn. red.

[Sovremennyi kapitalizm i ekonomicheskie krizisy; izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 502 p. (MIRA 15:12)
(Capitalism) (Business cycles)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

KHMEL'NITSKAYA, Ye.L., doktor ekon. nauk, prof.; LEMIN, I.M., doktor ist. nauk; MAKSIMOVA, M.M., kand. ekon. nauk; GONCHAROV, A.N., kand. ekon. nauk; VASIL'KOV, N.P., kand. ekon. nauk; VAL'KOV, V.V., kand. ekon. nauk; KOLLONTAY, V.M., kand. ekon. nauk; ETINGER, Ya.Ya., kand. ekon. nauk; DALIN, S.A., kand. ekon. nauk; PUSHKIN, A.A., mlad. nauchnyy sotr.; MOROZOV, V., red.; MOSKVINA, R., tekhn. red.

[Economic problems of the "Common Market."]Ekonomicheskie problemy "Obshchego rynka." Moskva, Sotsekgiz, 1962. 510 p. (MIRA 16:3)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy Akademii nauk SSSR (for all except Morozov, Moskvina).
(European Economic Community)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMIN, Iosif Mikhaylovich, doktor ist. nauk; LIVSHITS, Ya.L., red.; RAKITIN, I.I., tekhn. red.

[Politics and strategy] Politika i strategiia. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike: VII Seriia: Mezhdunarodnaia, no.14)
(MIRA 16:8)

(United States--Strategy)
(North Atlantic Treaty Organization)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

VARGA, Yevgeniy Samuilovich, akademik nagrazhden Leninskoy premiyey; LEMIN, I.M., doktor ist. nauk, otv. red.; VYSOTSKAYA, V.B., red.; YEGOROVA, N.F., tekhn. red.

[Modern capitalism and economic crises; selected works] Sovremennyi kapitalizm i ekonomicheskie krizisy; izbrannye trudy. 2. izd. Moskva, Izd-vo AN SSSR, 1963. 505 p. (MIRA 17:2)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

MESHCHERYAKOV, A.P.; GLUKHOVTSEV, V.G.; LEMIN, N.N.

1-Cyclopropyl-2-α-furylcyclopropane and its transformations.
Izv.AN SSSR.Otd.khim.nauk no.10:1901-1903 O '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Cyclopropane)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

MANN, A.K.; MIRONOV, A.V.; LEMINA, N.F.

Determining the location of insulation damage in long cable lines.
Izv. NIIPT no.4:49-64 '59. (MIRA 13:2)
(Electric insulators and insulation)
(Electric cables)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

8(3)

AUTHORS: Mann, A. K., Candidate of Technical Sciences, SOV/105-59-7-15/30
Mironov, A. V., Engineer, Lemina, N. F., Engineer

TITLE: Detection of the Damaged Point in a Long Cable Line (Opredeleniye mesta povrezhdeniya kabel'noy linii bol'shoy protyazhennosti)

PERIODICAL: Elektrichestvo, 1959, Nr 7, pp 57 - 61 (USSR)

ABSTRACT: The detection of a damaged point in the cable insulation is usually effected in two stages: First, the distance to the damaged point is determined at the end of the line, and then the damaged point is located. At present, the problem of determining the distance to the faulty point is solved. At the Vsesoyuznyy nauchno-issledovatel'skiy institut elektroenergetiki (All-Union Scientific Research Institute for Power Engineering) devices of the types IKL and EMKS (Ref 1) were developed. The methods hitherto employed for the detection of faulty points - the induction- and the acoustic methods - have not been found satisfactory. Several new methods of detecting faulty points in the cable are described, which make it possible to detect a small zone in which the faulty point is located. Some consist in measuring the electromagnetic field, and others in measuring the

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current drop on the surface in the damaged zone. Among the first-mentioned are the induction- and pulse-induction methods, among the others, the contact- and pulse-contact methods. These four methods are described in this paper. The first two permit the determination of a small zone in the cable line: at a frequency of 10 megacycles this zone is about 60 m long, and at 50 megacycles its length is 10 - 15 m. The contact- and the pulse-contact methods make it possible, in the case of a uniform earth covering, to determine a small zone in the line and to detect the faulty point with an accuracy of up to 1 m. The methods described may be used for the detection of faulty points in any type of cable with earthed metal envelopes. There are 6 figures and 3 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut postoyannogo toka (Scientific Research Institute for Direct Current)

SUBMITTED: December 1, 1958

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

L 10892-67

ACC NR: AP6022436 (A) SOURCE CODE: CZ/0078/66/000/003/0013/0013 24

AUTHOR: Kostohryz, Pavel (Engineer; Ceske Budejovice); Leminger, Adolf. (Ceske Budejovice)

ORG: none

TITLE: Automatic single-and-double cycle switch-on circuit. CZ Pat. No. PV 1664-64, Class 21

SOURCE: Vynalezy, no. 3, 1966, 13

TOPIC TAGS: electronic circuit, switching circuit

ABSTRACT: An Author Certificate has been issued for an automatic single-and-double-cycle electronic switch-on circuit. Its special feature is a common triode for both cycles and an ignition capacitor whose negative side is connected to the auxiliary ignition electrode of the triode via a series resistance. In the first cycle the ignition voltage of the tube is produced by the first charged capacitor which is connected, via a resistor and parallel diode to a controlled power supply, coupled with the ignition capacitor. In the second cycle the tube ignition voltage is provided by a second charged capacitor which is parallel-coupled via a resistor and parallel diode to the first capacitor and also to the ignition capacitor. The positive pole of

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L 10892-67

ACC NR: AP6022436 O

the supply by which both above mentioned capacitors are charged is connected to a common neutral. All positive poles of all capacitors, the tube cathode, and the short-circuiting contact of the relay are connected to this neutral. The supply's negative pole is connected through the protective relay contact, a resistor, and the controlled power supply to the negative pole of the first capacitor, and via the contact relay and the diode to the negative pole of the second capacitor.

SUB CODE: 09/SUBM DATE: 23Mar64/

Card 2/2 blp

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

ACC NR: AP6022437 (A) SOURCE CODE: CZ/0078/66/000/003/0013/0013

INVENTOR: Kostohryz, Pavel (Ceske Budejovice; Engineer); Leminger, Adolf (Ceske Budejovice)

ORG: none

TITLE: Single-throw and double-throw automatic switch. CZ Pat. No. PV4640-65, Class 21

SOURCE: Vynalezy, no. 3, 1966, 13

TOPIC TAGS: electric switch, electric power engineering, electric equipment

ABSTRACT: A general-purpose, single-throw and double-throw automatic switch based on Czechoslovak patent No. (PV 1664-64) is proposed. The switch is distinguished by the following: the first capacitor is connected through the negative pole via a resistor having a parallel diode to the ignition-capacitor negative pole, and through the positive pole via a contact of the controlled power instrument to the ground. The second capacitor is connected in parallel via a resistor having a parallel diode and via a disconnecting contact of the ralay to the circuit of the first capacitor. The second capacitor is also connected via the contact of the controlled power instrument to the ignition capacitor. The positive pole of the power supply is connected via the exterior blocking contact of the protective relay and via a resistor

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ACC NR: AP6022437

to the positive poles of both capacitors; it is also connected to the short-circuiting contact of the controlled power instrument and to the relay contact.

SUB CODE: 09/ SUBM DATE: 21Jul65/

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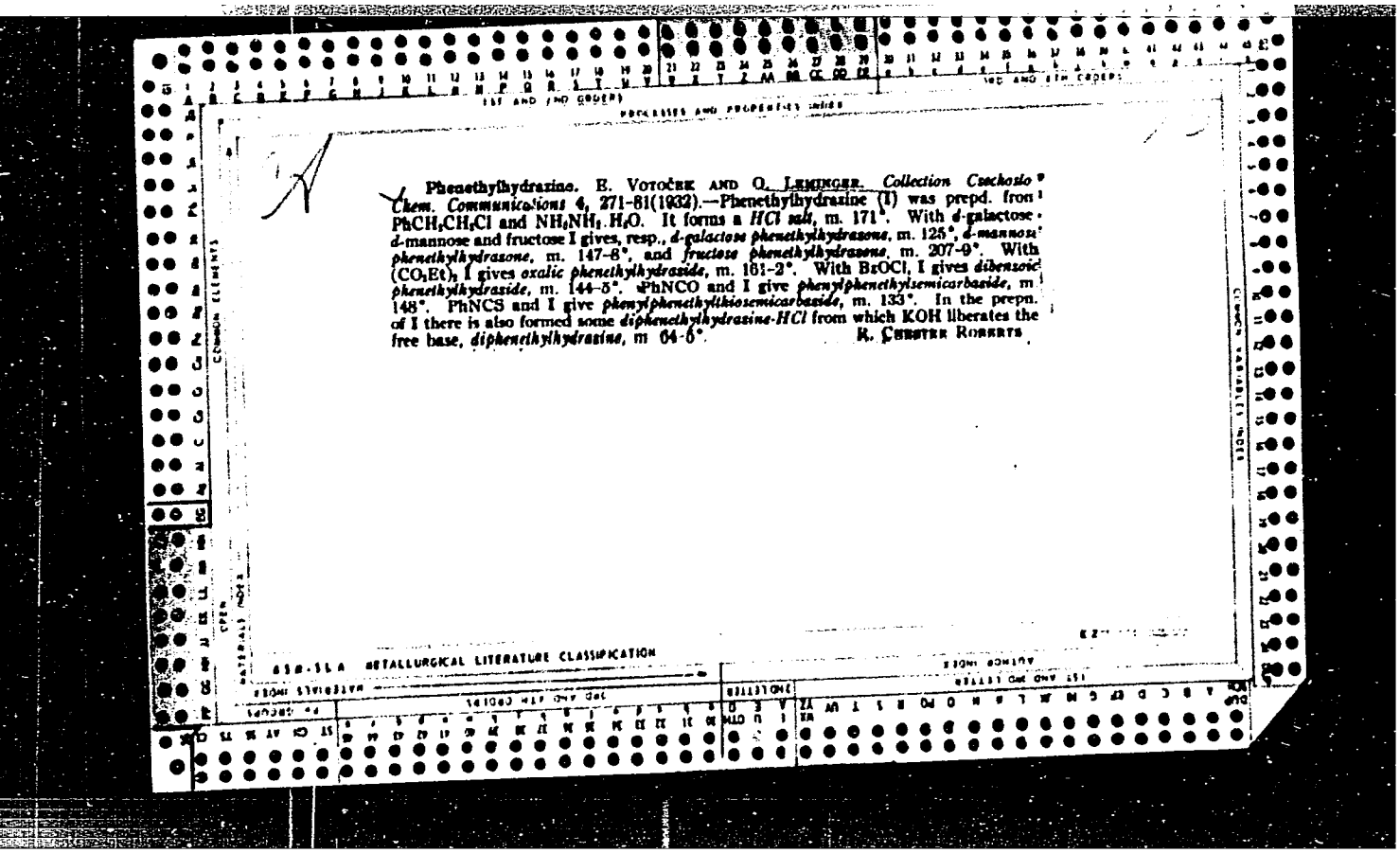

Phenethylhydrazine. E. Votoček and O. Leminger. *Collection Czechoslov. Chem. Communications* 4, 271–81(1932).—Phenethylhydrazine (I) was prepd. from $PhCH_2CH_2Cl$ and $NH_2NH_2.H_2O$. It forms a *HCl salt*, m. 171°. With *d*-galactose, *d*-mannose and fructose I gives, resp., *d-galactose phenethylhydrazone*, m. 125°, *d-mannose phenethylhydrazone*, m. 147–8°, and *fructose phenethylhydrazone*, m. 207–9°. With $(CO_2Et)_2$ I gives *oxalic phenethylhydrazide*, m. 181–2°. With BzOCl, I gives *dibenzoic phenethylhydrazide*, m. 144–5°. PhNCO and I give *phenylphenethylsemicarbazide*, m. 148°. PhNCS and I give *phenylphenethylthiosemicarbazide*, m. 133°. In the prepn. of I there is also formed some *diphenethylhydrazine·HCl* from which KOH liberates the free base, *diphenethylhydrazine*, m. 64–6°.

R. Chester Roberts

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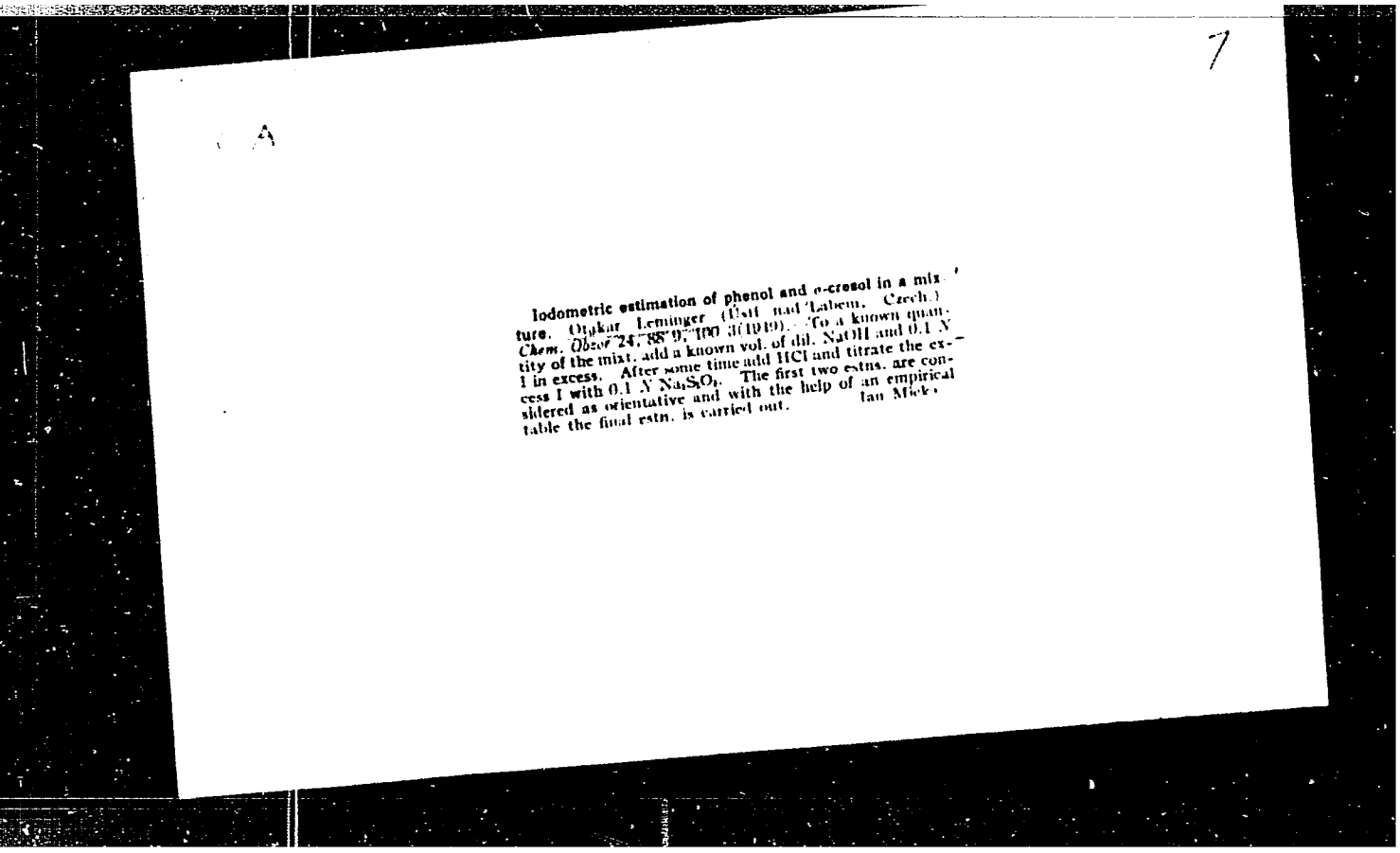


Iodometric estimation of phenol and o-cresol in a mixture. Otakar Leminger (Ústí nad Labem, Czech.) *Chem. Obzor* 24, 88-9, 100-3(1949). To a known quantity of the mixt. add a known vol. of dil. NaOH and 0.1 *N* I in excess. After some time add HCl and titrate the excess I with 0.1 *N* $Na_2S_2O_3$. The first two estns. are considered as orientative and with the help of an empirical table the final estn. is carried out. Jan Mácek

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, O.

"Fundamental Kinetic Equation for the Dissolution of Crystals. p. 1-32." (VESTNIK, 1951, Praha, Czechoslovakia)

So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

HEINGART, C.

"Two Contributions To The Solution Of Cubic Equations." p. 1.9
(Matematicko-Prirodovedecke Rozhledy. Vol. 34, No. 4, 1953, Praha.)

Vol. 3, No. 3.
SO: Monthly List of East European Accessions, Library of Congress, March 1954, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, O.

"Precise Formula for the Computation of the Liquid Content of Roller Vessels With Globular Bottoms in a Horizontal Position", P. 347, (CHEMICKY PRUMYSL, Vol. 4, No. 9, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No,1, Jan. 1955, Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, O.

CZECH

Sulfophthaleins. I. Pyrocatecholsulfophthalein (pyrocatechol violet). Zdeněk Vodák and Otakar Lemberger (Společ. Chem. Hutní Výroby, Ústí, [illegible]). *Listy* 48, 552-5; *Collection Czechoslov. Chem. Communs.* 19, 325(1954)(in German).—From *o*-$C_6H_4(CO_2H)SO_2NH_2$ (I) was prepd. saccharin (II) whose condensation with *o*-$C_6H_4(OH)_2$ gave pyrocatecholsulfophthalein (III). III heated above 110–15° is transformed to pyrocatechol green (IV), probably a mono-Ac deriv. of III. Both III and IV are acid-base and chelatometric indicators and develop a stable sky-blue color with Mg, Ca, and Zn in alk. medium. I (438.4 g.) refluxed 3–3.5 hrs. with 137.4 g. PCl_5 in 800 ml. C_6H_6 with stirring, the mixt. dild. with 1600 ml. C_6H_6, allowed to cool to 40°, the deposited inorg. yellow product filtered and washed with 400 ml. warm (40°) C_6H_6, and the combined filtrates evapd. to 600 ml. and allowed to cryst. give 300 g. II, m. 123–6° (after washing with C_6H_6 and drying at 60° *in vacuo*). Evapn. of the mother liquors gave 20 g. more II. Fusing 37 g. II with 22 g. *o*-$C_6H_4(OH)_2$ 90 min. at 100–10°, dissolving the dark melt at 100° in 100 ml. AcOH, sepg. the crystals, washing them with 50 ml. AcOH, and drying at 100° yielded 13.3 g. III, which could be cryst. from EtOH. Refluxing 2.5 g. III 14 hrs. in 200 ml. xylene with continuous sepn. of H_2O gave 2.13 g. IV, also obtained by keeping 0.2 g. III in 1 ml. H_2O 24 hrs. at 130°.

M. Hudlický

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

Leminger, OTAKAR

Stabilizing sulfur trioxide. Otakar Leminger, Ctibor Kozák, Josef Sehnoutka, and Jaroslav Melcl. Czech. CH 83,879, May 1, 1955. Prior to the addn. of stabilizing agents, such as 5% thionyl chloride, the vapors of SO_3 are heated to 130° in order to bring about its depolymerization to the monomer. The app. and its function are described.
L. J. Urbánek

(3)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, OTAKAR

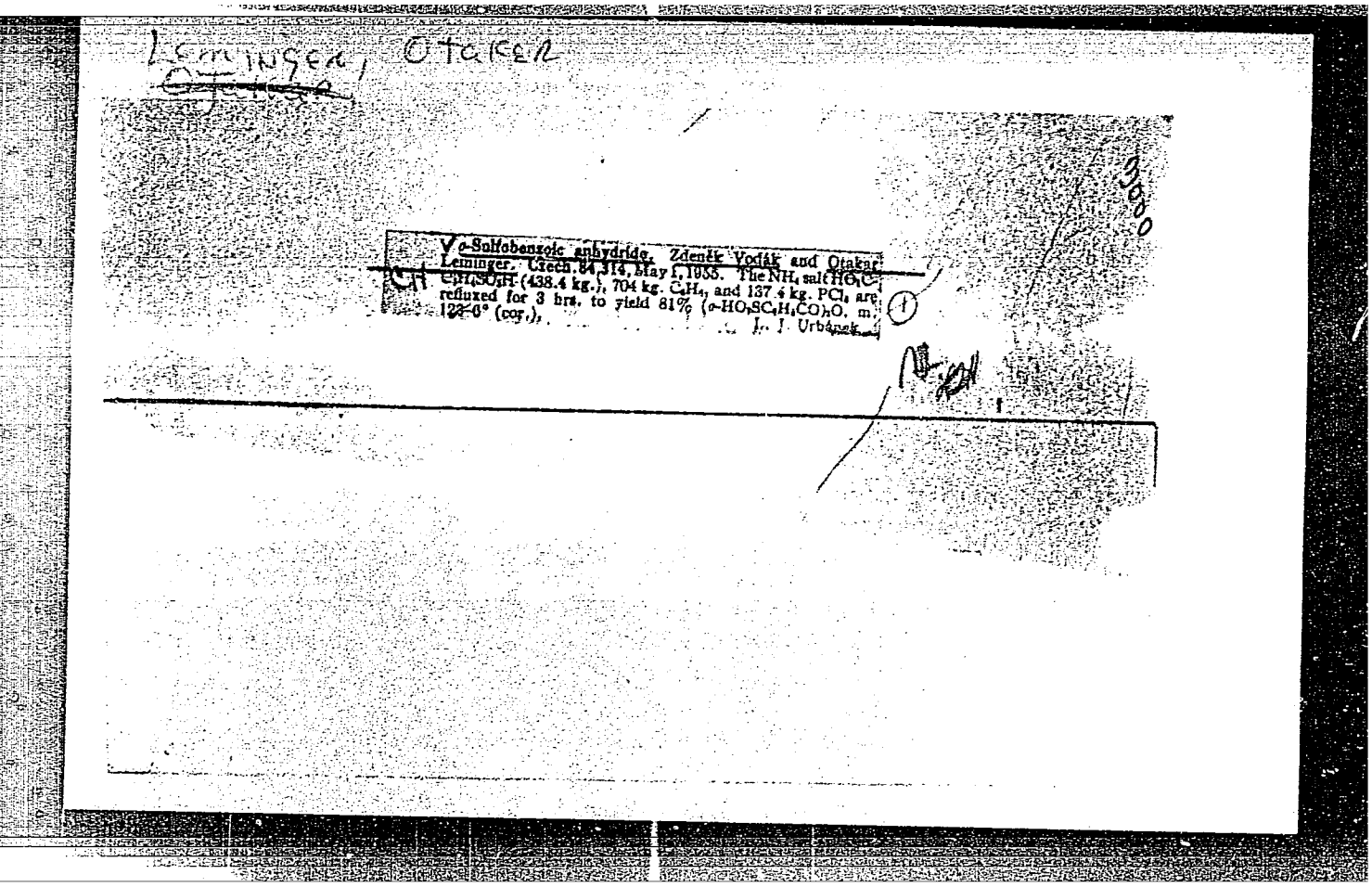
Chem

Preparing sulfonephthalein dyes by azeotropic condensation of o-sulfobenzoic anhydride or acid with corresponding phenols. Otakar Leminger and Zdeněk Vodák. Czech. 83,987, May 1, 1956. The app. and procedure are described.

L. J. Urbánek

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1



Lemínger, Otakar

3880

o-Sulfobenzoic anhydride. Zdeněk Vodák and Otakar Lemínger. Czech. 84,314, May 1, 1955. The NH_4 salt $HO_3C_6H_4SO_3H$ (438.4 kg.), 704 kg. C_6H_6, and 137.4 kg. PCl_5 are refluxed for 3 hrs. to yield 81% $(o\text{-}HO_2SC_6H_4CO)_2O$, m. 122-6° (cor.). J. J. Urbánek

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, O.

2

POLON

Sulfonphthalein indicators. O. Leminger. *Chem. Prüm.* 5(30) No. 1, 7–12(1955). The prepn. and properties of the following indicators are discussed: phenol red, chlorophenol red, tetrachlorophenolsulfonphthalein, bromophenol blue, *o*-cresol red, bromocresol purple, bromocresol green, thymol blue, bromothymol blue, *m*-cresol purple, pyrocatechol violet, pyrocatechol green, pyrogallolsulfonphthalein, and dibromopyrogallolsulfonphthalein.

L. A. Helwich

MH 81

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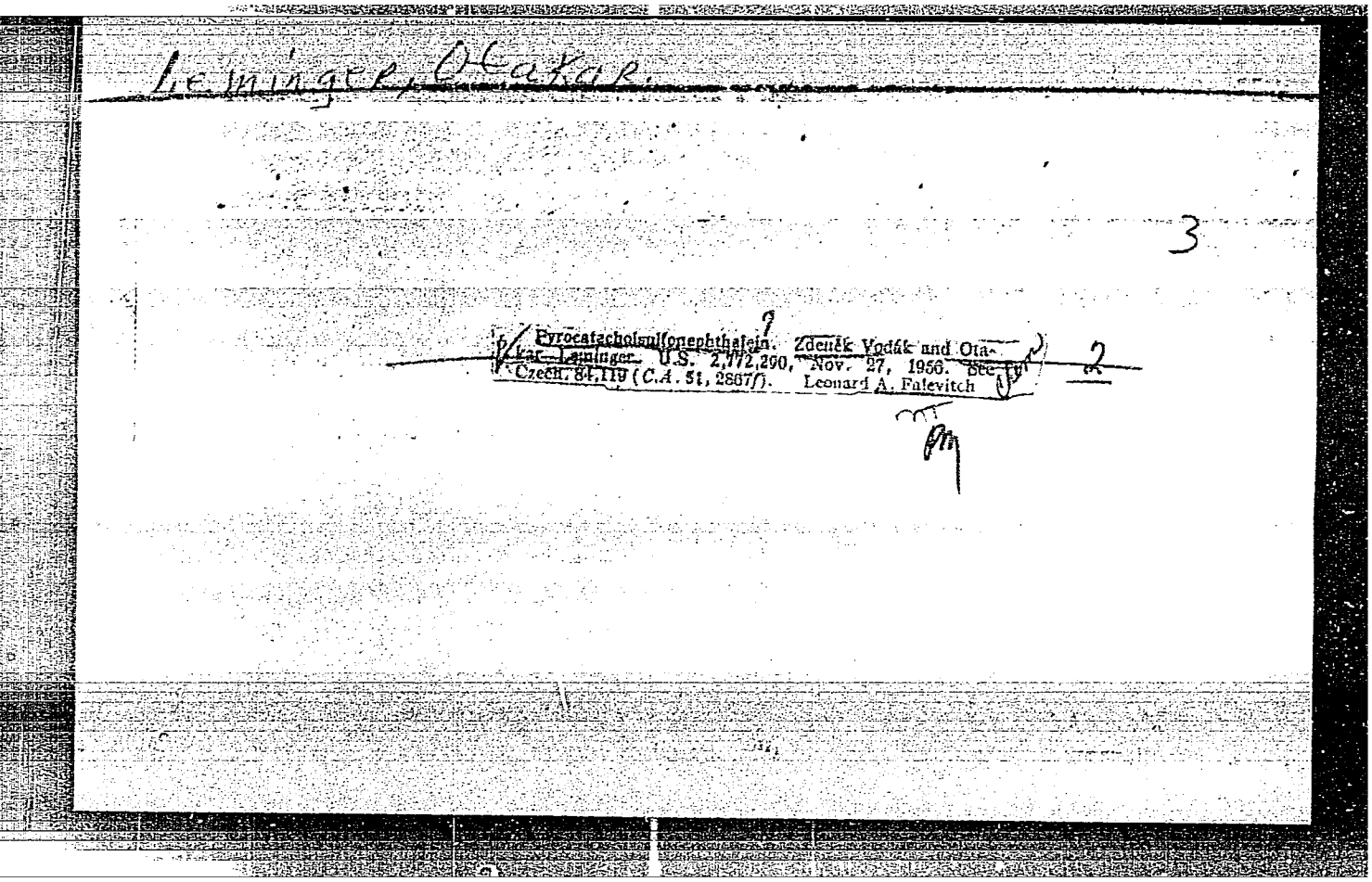

Leininger, Oskar

3

Pyrocatecholsulfonephthalein. Zdeněk Vodák and Otakar Leininger. U.S. 2,772,290, Nov. 27, 1956. Sec. Czech. 84,119 (C.A. 51, 2867f). Leonard A. Falevitch

2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, OTAKAR

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. E-2

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 26819.

Author : Vodak, Zdeněk; Leminger, Otakar.
Inst :
Title : Sulfonephthaleins. II. Preparation and Properties of Pyrogallosulfonephthalein (Pyrogallic Red, New Chelatometric Indicator.

Orig Pub: Chem. listy, 1956, 50, No. 6, 943 - 947.

Abstract: An improved method of preparation of pyrogallosulfonephthalein (I) is described. 276 g of anhydride of o-sulfobenzoic acid, 378 g of pyrogallic acid and 480 ml of xylene are heated distilling the forming water off, 135 min. later xylene is distilled off with steam, the precipitate is dissolved in the solution of 190 g of

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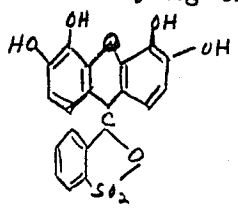
CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. E-2

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 26819.

Na_2CO_3 in 7500 ml of water, precipitated with 660 ml of diluted HCl (1 : 1), and the monhydrate of I (Ia) is obtained by heating to 80°, the yield is 57.5%, the melting point is above 300°. The tetrahydrate of I (Ib) is obtained by acidifying the cold alkaline



solution of I or II. From the identity of

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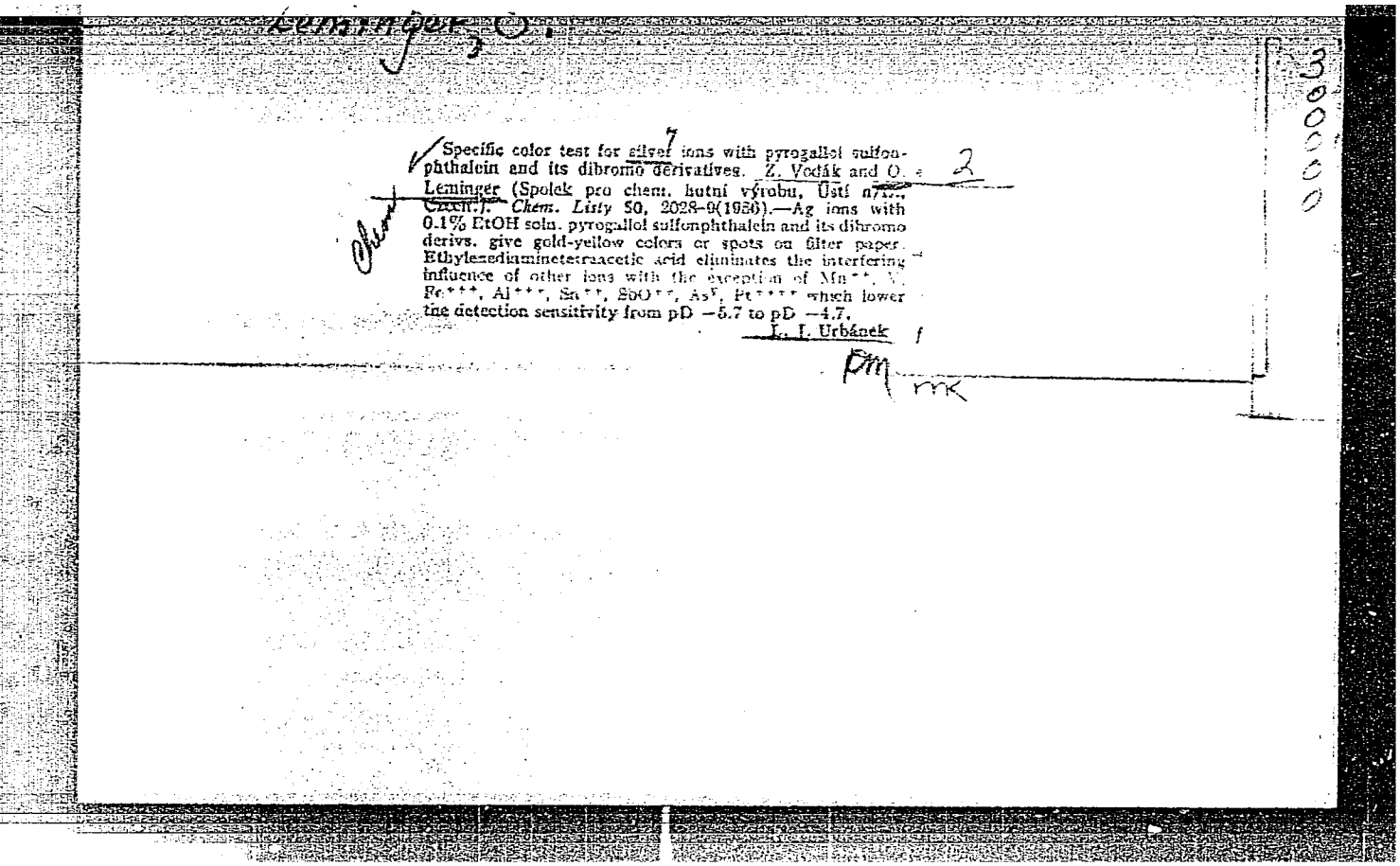

Specific color test for silver ions with pyrogallol sulfonphthalein and its dibromo derivatives. Z. Vodák and O. Leminger (Spolek pro chem. hutní výrobu, Ústí n/L., Czech.). *Chem. Listy* 50, 2028–9(1956).—Ag ions with 0.1% EtOH soln. pyrogallol sulfonphthalein and its dibromo derivs. give gold-yellow colors or spots on filter paper. Ethylenediaminetetraacetic acid eliminates the interfering influence of other ions with the exception of Mn^{++}, V, Fe^{+++}, Al^{+++}, Sn^{++}, SbO^{++}, As^{V}, Pt^{++++} which lower the detection sensitivity from pD −5.7 to pD −4.7.

I. J. Urbánek

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, O.

CZECHOSLOVAKIA/The Equipment of Laboratories. Appliances. F

Abs Jour: Ref. Zhur.-Khimiya, 1958, No II, 36032.

Author : O. Vacek, O. Leminger.
Inst : Not given.
Title : A Simple Buret for Titanometric Titration.

Orig Pub: Chem. listy, 1957, 51, No 6, 1209-1210.

Abstract: A description of an automatic buret and of a vessel for titration, in which the titrating and the analyzed solutions are protected by a layer of an inert liquid.

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23

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, Otakar; FARSKY, Miroslav

The 1st Scientific Conference on Herbicides. Chem prum 12 no.7:365-366 Jl '62.

1. Spolek pro chemickou a hutni vyrobu, n.p., Usti nad Labem.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, Otakar; FARSKY, Miroslav; POKORNA, Irena

Note on decacyclene preparations. Chem prum 13 no.2:77-78 F '63.

1. Spolek pro chemickou a hutni vyrobu, n.p., Usti nad Labem.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, Otakar (Usti nad Labem)

Construction of a regular eleven angle figure. Cas pro pes mat 87 no.2:227-228 '62.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, Otakar; FARSKY, Miroslav; VACHA, Jaroslav

Contribution to the production of trichloroacetic acid. Chem prum 13 no.9:454-457 S '63.

1. Spolek pro chemickou a hutni vyrobu, Usti nad Labem.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, Otakar; FARSKY, Miroslav.; HOLUBOVA, Alena

Holdup columns as continuous reactors. Chem prum 13 no.11: 578-581 N'63.

1. Spolek pro chemickou a hutni vyrobu, Usti nad Labem.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, Otakar; FARSKY, Miroslav; HOLUBOVA, Alena

Holdup columns as reactors in the continuous production of potassium ethyl xanthate. Chem prum 14 no.4:177-181 Ap '64.

1. Spolek pro chemickou a hutni vyrobu National Enterprise, Usti nad Labem.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, Otakar; FARSKY, Miroslav; VODAK, Zdenek

Contribution to the preparation of γ-(2,4-dichlorophenoxy) butric acid. Chem prum 14 no.6:302-304 Je '64.

1. Spolek pro chemickou a hutni vyrobu National Enterprise, Usti nad Labem.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

L 54696-65 EPF(n)-2/EWP(t)/EWP(b) Pu-4 IJP(c) JD/WW/JG
CZ/9000/65/030/001/0345/0346

ACCESSION NR: AP5017735

23
B

AUTHOR: Leminger, O.; Farsky, M.

TITLE: New reagents for detection uranyl cations

SOURCE: Collection of Czechoslovak chemical communications, v. 30, no. 1, 1965, 345-346

TOPIC TAGS: chemical detection, chemical reaction, methanol, uranium compound, ion

ABSTRACT: Reactions for the detection of uranyl cations by the formation of blue-colored complex compounds of uranyl cations with methanol solutions of glyoxal-bis (2-hydroxy-5-chloranil) are described. The reaction sensitivity is pD = 5. Only the ions Ce^{4+}, Zr^{4+}, and $(MoO_4)^{2-}$ interfere. Orig. art. has: 1 figure.

ASSOCIATION: Spolek pro chemickou a hutni vyrobu, Usti n/L. (Association for Chemical and Metallurgical Production)

SUBMITTED: 25Feb64 ENCL: 00 SUB CODE: GC, OC
NR REF SOV: 000 OTHER: 003 NA

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APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, O.; FARSKY, M.

New reagent for the detection of uranyl cation. Coll Cz Chem 30 no.1:345-348 Ja '65.

1. Spolek pro chemickou a hutni vyrobu, Usti nad Labem.
Submitted February 25, 1964.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMINGER, O.; FARSKY, M.

Preparation and properties of glyoxal-bis (2-hydroxy-5-chloranil) and glyoxal-bis (2-hydroxy-5-nitraniline). Coll Cz Chem 30 no.2: 607-611 F '65.

1. Spolek pro chemickou a hutni vyrobu, Usti nad Labem. Submitted February 25, 1964.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

KOVALENKO, V.I., kand.khimicheskikh nauk; LEMISHCHENKO, K.S., dotsent; BIDENKO, T.I., inzh.; Prinimali uchastiye: KIRILENKO, A.A., inzh.; KIRILENKO, K.I., student; SHARAYA, N.M., studentka; SHABAS, M.A., student

Laboratory towers and packing for fractional distillation of mixtures of liquids. Sbor. nauch. trud. KGRI no.7:322-330 '59. (MIRA 16:9)

(Packed towers)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

L'MISHCHENKO, K.G.

Method of calculating the simplest formulas of chemical compounds. Zhur. nauch. i prikl. KhPI no.1:372-375 '61
(MIRA 17:8)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

SOV/28-58-5-23/37

AUTHOR: Barskiy, D.Ya., Lemishenko, G.D., Engineers

TITLE: The Shaping of Standard Designs (Oformleniye tipovykh proyektov)

PERIODICAL: Standartizatsiya, 1958, Nr 5, pp 68 - 69 (USSR)

ABSTRACT: There are no unified standards or regulations which apply to planning organizations drawing up designs and blueprints for the mechanical engineering industry. The author discusses the confusion and morass of arbitrary decisions which this causes.

ASSOCIATION: Khar'kovskiy institut ogneuporov (Khar'kov Institute for Refractory Materials)

1. Drafting--Standards

Card 1/1

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

L 23320-66 EWT(d)/FSS-2/T/EWP(1) IJP(c) BB/GG

ACC NR: AP6009783 SOURCE CODE: UR/0102/66/000/001/0007/0021

AUTHOR: Vasyl'yev, V. I. -- Vasil'yev, V. I. (Kiev, L'viv); Ivakhnenko, O. H. -- Ivakhnenko, A. G. (Kiev, L'viv); Vasishchevskiy, G. A. (Kiev, L'viv); Reuts'kyy, V. Yu. -- Reutskiy, V. Ye. (Kiev, L'viv)

ORG: none

48
B

TITLE: Algorithm of recognition systems of the perception type with a correlation on the input

SOURCE: Avtomatyka, no. 1, 1966, 7-21

TOPIC TAGS: algorithm, recognition system, perceptron, autocorrelation function, digital computer, analog television system

ABSTRACT: This paper deals with a recognition system, consisting of a correlator and perceptron, designed for recognition of patterns on a uniformly illuminated background. To reduce the size of the recognition system, a two-dimensional autocorrelation function is employed as the input description. This function is invariant to some isomorphous transformations. A new autocorrelation function, obtained by "positive" and "negative" images, is proposed, which permits the reduction of the dimensions of the apparatus. The algorithm for calculating the autocorrelation function is adapted for digital computers. An analog television variation of the autocorrelator is also described. The percep-

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L 23320-66

ACC NR: AP6009783

tion part of the system (choice of properties, masks—random prototypes, etc.) is calculated. The results of the simulation will be presented in the next paper. Orig. art. has: 6 tables, 7 formulas, and 8 figures. [Based on author's abstract] [AM]

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

L 02444-67 EWT(d)/T/EWP(1) IJP(c) GG/BB

ACC NR: AP6018018 SOURCE CODE: UR/0102/66/000/003/0024/0034

AUTHOR: Herhey, T. -- Gergey, T. -- Gergely, T. (Hungary); Ivakhnenko, O. H. -- Ivakhnenko, A. G. (Kiev); Lemishevs'kyy, H. A. -- Lemishevskiy, G. A. (L'viv)

55
B

ORG: None

TITLE: Selecting the "style" or "language" of random perceptron prototypes

SOURCE: Avtomatyka, no. 3, 1966, 24-34

TOPIC TAGS: pattern recognition, 16 perceptron, switching circuit

ABSTRACT: The authors consider the problem of choosing the "style" or "language" of random masks of a perceptron with a known style of perceived images. The concept of style does not have a mathematical characteristic. Thus this experimental study does not pretend to be rigorous, but qualitative. A diagram and the components of the perceptron are given. A four-row perceptron with two rows of controlled connections is considered. Blotched and striated negatives are used as input images and random masks are superimposed over them. A uniform light source is used for illumination. Photocells are used to measure the amount of light passing through the negatives. The opaque spots on the negatives cause the first row of perceptron elements to switch off, while transparent sections keep these switches closed. Thus the pattern of the mask causes an adjustment in the first row of the controlled connections. The light

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L 02444-67

ACC NR: AP6018018

intensity at each point of the image serves as the mark in conformity with the classical perceptron of F. Rozenblat. If the image and the prototype are the same, then the maximum value of the light beam equals 50%. If there is a significant difference between image and prototype, light intensity decreases. The selection of dimensions for random prototype elements is considered. Point and curvilinear random masks are studied. The optical perceptron was used for recognizing two classes of spotted images, two classes of striated images and a class of mixed striated and spotted images. Both point and curved random prototypes were used in all three cases. The results show that point random prototypes should be used for recognizing spotted images such as a leopard skin. Curved prototypes produce better results than point prototypes for recognizing striated images such as zebra or tiger skins. In recognizing mixed striated and spotted images, a 50-50 combination should be used. This will produce maximum recognition by the perceptron. Orig. art. has: 6 figures, 10 tables, 6 formulas.

SUB CODE: 06, 09/ SUBM DATE: 18Feb66/ ORIG REF: 002

Card 2/2 gd

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMISHKO, A.M.

LEMISHKO, A.M. STUKALO, I.T., otvetstvennyy red.

[Practical instructions for laboratory examinations in tuberculosis] Metodicheskie ukazaniia po laboratornym issledovaniiam pri tuberkuleze. L'vov, 1956. 23 p.
(TUBERCULOSIS) (MIRA 11:3)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMISHKO, A. M., Cand Biol Sci -- (diss) "Structure of the suprarenal gland cortex in various phases of the sexual cycle." Kiev, 1960. 20 pp; (Ministry of Agriculture Ukrainian SSR, Ukrainian Academy of Agricultural Sciences); 200 copies; price not given; (KL, 28-60, 159)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

GZHITSKIY, S.Z. [Hzhyts'kyi, S.Z.]; LEMISHKO, A.M. [Lemishko, O.M.]; PAVLYUK, I.M.

Histochemical study of mucopolysaccharides in the rumen wall of cattle. Dop. AN URSR no.1:89-91 '64. (MIRA 17:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh. 2. Chlen-korrespondent AN UkrSSR (for Gzhitskiy).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMISHKO P. M.

PA 1775

USSR/Medicine - Trichinosis
Medicine - Meat

May 1947

"Research on Meat, Containing Unencysted Trichinella Larva," P. M. Lemishko, 1 p

"Veterinariya" No 5

Much of the pork passed on for human consumption contains the trichinella larva. The author describes the growth of these larvae in the human body. Suggests methods of combatting trichinosis such as raising the standards of inspection of meat showing traces of unencysted trichinella larva.

1775

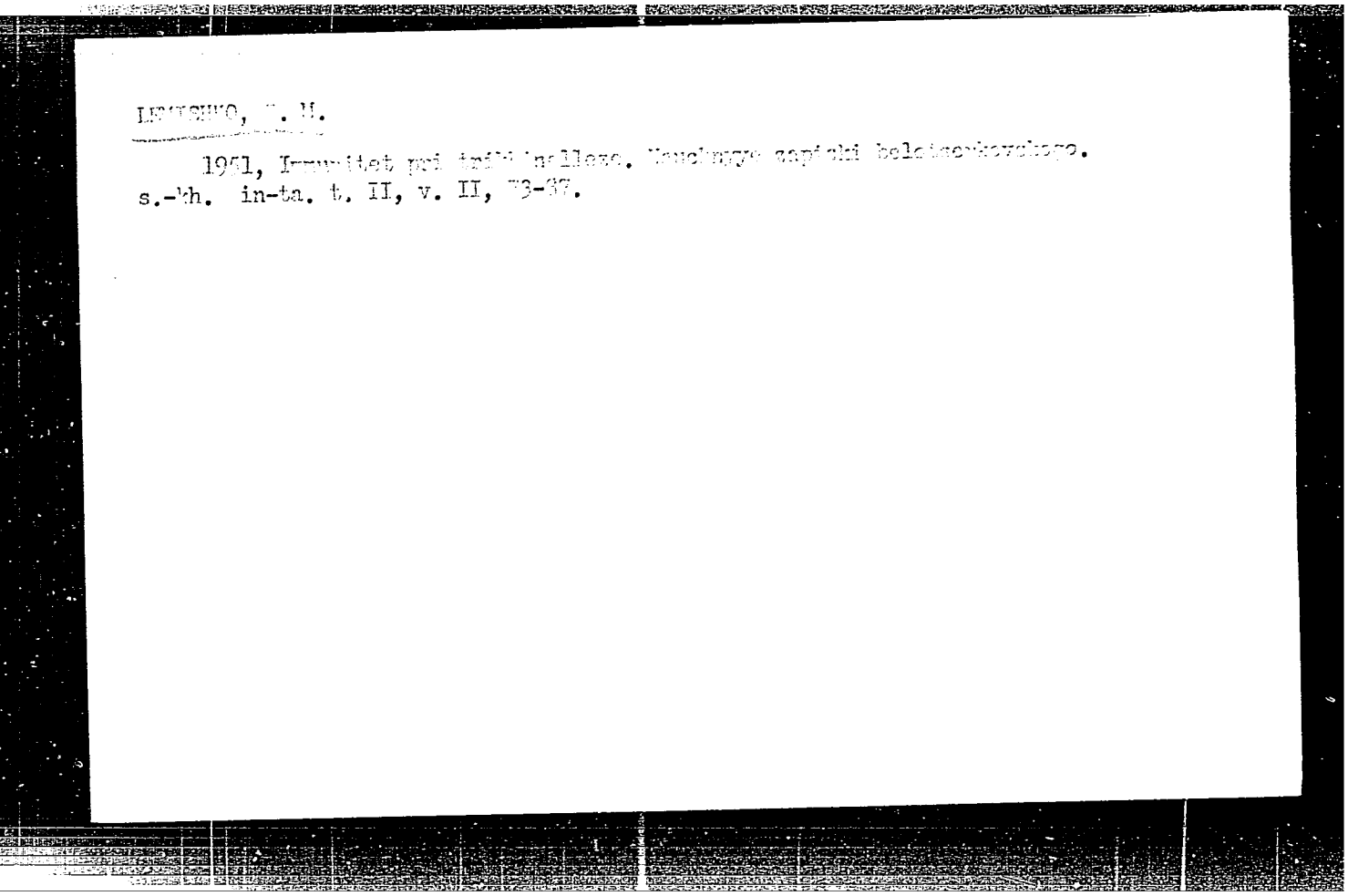
APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMISHKO, P. M. Prof., Dr.
"On determination of mature stages of non-incapsulated larvae of trichinella."
SO: Veterinariia 25(11), 1948, p. 36

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1



LEVCHENKO, T. N.

1951, I-vvitet pri tsiv'nalleve. Vsesoyuznyye zaochnyye pedagogicheskiye s.-kh. in-ta. t. II, v. II, 73-87.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMISHKO-KHOMA, A.M., mladshiy nauchnyy sotrudnik

Liver function in pulmonary tuberculosis in children. Pediatriia no.5:58-61 S-O '54. (MLRA 7:12)

1. Iz L'vovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. G.I.Chemeris, nauchnyy rukovoditel' prof. I.T.Strukalo)
(LIVER FUNCTION TESTS, in various diseases, tuberc., pulm., in child.)
(TUBERCULOSIS, PULMONARY, in infant and child, liver funct. test)

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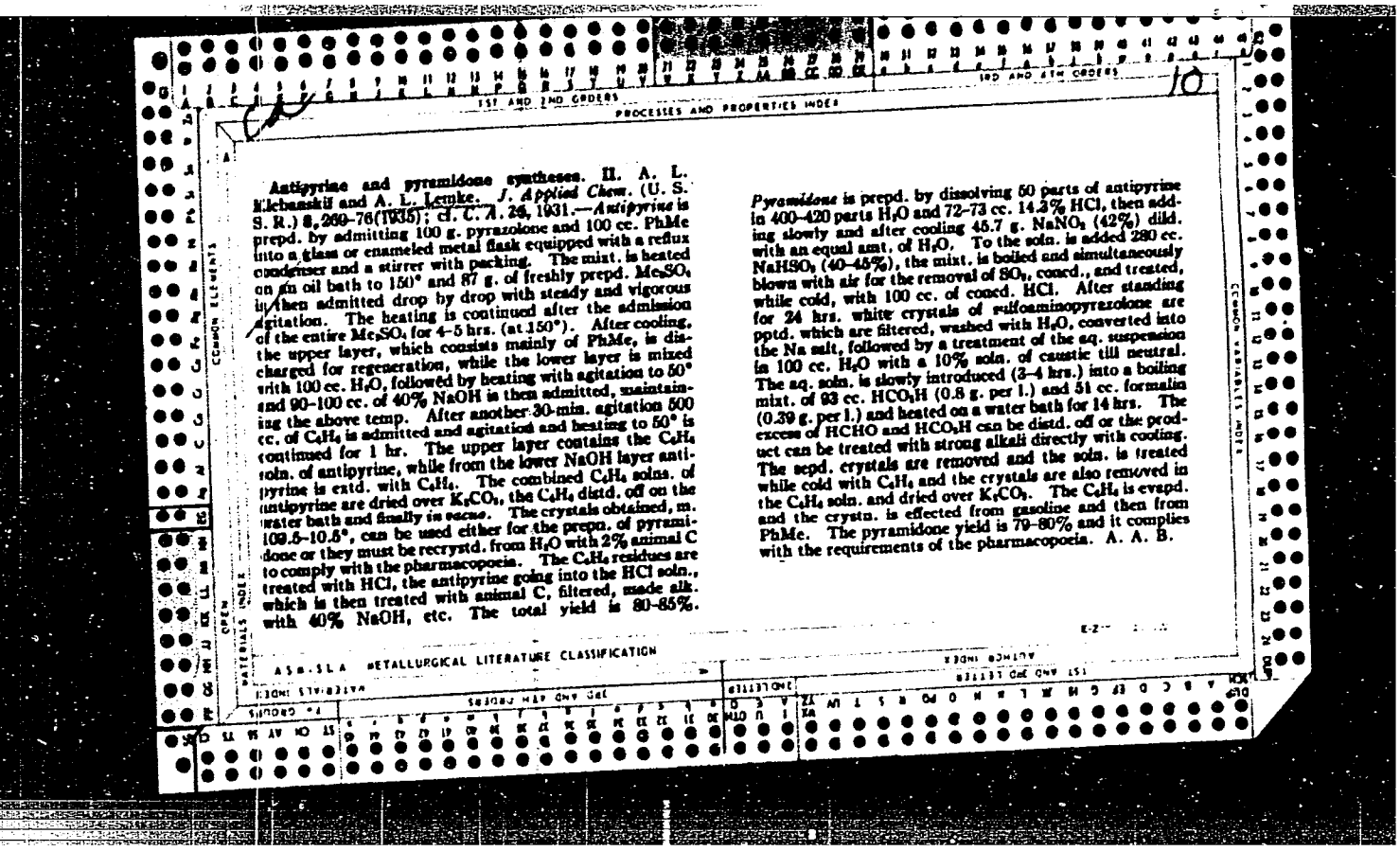
"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1



PROCESSES AND PROPERTIES INDEX

Antipyrine and pyramidone syntheses. II. A. L. Klebanskiĭ and A. L. Lemke. *J. Applied Chem.* (U. S. S. R.) 8, 269–76(1935); cf. C. A. 26, 1931.—*Antipyrine* is prepd. by admitting 100 g. pyrazolone and 100 cc. PhMe into a glass or enameled metal flask equipped with a reflux condenser and a stirrer with packing. The mixt. is heated on an oil bath to 150° and 87 g. of freshly prepd. Me_2SO_4 is then admitted drop by drop with steady and vigorous agitation. The heating is continued after the admission of the entire Me_2SO_4 for 4–5 hrs. (at 150°). After cooling, the upper layer, which consists mainly of PhMe, is discharged for regeneration, while the lower layer is mixed with 100 cc. H_2O, followed by heating with agitation to 50° and 90–100 cc. of 40% NaOH is then admitted, maintaining the above temp. After another 30-min. agitation 500 cc. of C_6H_6 is admitted and agitation and heating to 50° is continued for 1 hr. The upper layer contains the C_6H_6 soln. of antipyrine, while from the lower NaOH layer antipyrine is extd. with C_6H_6. The combined C_6H_6 solns. of antipyrine are dried over K_2CO_3, the C_6H_6 distd. off on the water bath and finally in vacuo. The crystals obtained, m. 109.5–10.5°, can be used either for the prepn. of pyramidone or they must be recrystd. from H_2O with 2% animal C to comply with the pharmacopoeia. The C_6H_6 residues are treated with HCl, the antipyrine going into the HCl soln., which is then treated with animal C, filtered, made alk. with 40% NaOH, etc. The total yield is 80–85%.

Pyramidone is prepd. by dissolving 50 parts of antipyrine in 400–420 parts H_2O and 72–73 cc. 14.3% HCl, then adding slowly and after cooling 45.7 g. $NaNO_2$ (42%) dild. with an equal amt. of H_2O. To the soln. is added 280 cc. $NaHSO_3$ (40–45%), the mixt. is boiled and simultaneously blown with air for the removal of SO_2, concd., and treated, while cold, with 100 cc. of concd. HCl. After standing for 24 hrs. white crystals of sulfoaminopyrazolone are pptd. which are filtered, washed with H_2O, converted into the Na salt, followed by a treatment of the aq. suspension in 100 cc. H_2O with a 10% soln. of caustic till neutral. The aq. soln. is slowly introduced (2–4 hrs.) into a boiling mixt. of 93 cc. HCO_2H (0.8 g. per l.) and 51 cc. formalin (0.39 g. per l.) and heated on a water bath for 14 hrs. The excess of HCHO and HCO_2H can be distd. off or the product can be treated with strong alkali directly with cooling. The sepd. crystals are removed and the soln. is treated while cold with C_6H_6 and the crystals are also removed in the C_6H_6 soln. and dried over K_2CO_3. The C_6H_6 is evapd. and the crystn. is effected from gasoline and then from PhMe. The pyramidone yield is 79–80% and it complies with the requirements of the pharmacopoeia. A. A. B.

A58.SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKE, A.

"Recherches dans le domaine des derives chlores de la serie grasse. XII. Action du chlore sur le pentane normale." Lemke, A., et Tistchenko, D. (p. 1995)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 14.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKE, A. L.

PA 65/49T18

USSR/Chemistry - Nitrosyl Chloride Apr 49
Olefins

"The Structure of Nitrosyl Chloride and Its Condensation With Olefins," A. Ya. Yakubovich, A. L. Lemke, 10½ pp

"Zhur Obshch Khim" Vol XIX, No 4

Investigates the reaction of nitrosyl chloride with isobutylene, allyl chloride, vinyl chloride, vinylidene chloride, and trichloroethylene; prepares the dimers of the oximes of chloroisobutric aldehyde, 1, 2-dichloro-3-nitropropene, 1, 1-dichloro-2-nitroethane, 1, 1-dichloro-2-nitroethylene,

65/49T18

USSR/Chemistry - Nitrosyl Chloride Apr 49
(Contd)

and 1, 1, 2, 2-tetrachloro-2-nitroethane. In most cases the union of the nitrosyl chloride proceeds in conformity with the polarization of the ethylene and N-Cl bonds, the negative haloid directed to the positive carbon atom, and the positive nitroso group directed to the negative carbon atom. Discusses the structure of nitrosyl chloride and the effect of substituted halogens on the nitrosooxime rearrangement. Submitted 26 Apr 47.

65/49T18

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKE, A. L.

Addition of nitrosyl chloride to fluorinated olefins. II. A. Ya. Yakubovich, V. A. Shpanskii, and A. L. Lemke. *Zhur. Obshchel Khim.* 24, 2257-66(1954); cf. C.A. 44, 1011*b*.—A soln. of 17 g. Na in 550 g. BuOH was treated at 100° over 3–4 hrs. with 74 g. C_2H_4ClF yielding as a distillate about 1 g. CH_2:CHF, b. −72° to −71°. This (10 g.) and 16.5 g. NOCl kept in sealed tube 3 days gave $CHClFCH_2Cl$, 9.1 g. b. 77–113° (crude), and 64% *CHClFCH₂NO₂*, b_{15} 55.5°, d_{20} 1.4961, n_D^{20} 1.4644. Treatment of $(CHCl_2)_2$ with SbF_3 in glass with activation by SbF_5 and Br gave CHClF-$CHCl_2$, which was converted conventionally to CHCl:CHF. This (18.5 g.) and 13 g. NOCl kept 72 hrs. in sealed tube gave 45% *CHFClCCl:NOH*, b_{20} 75–85° (crude), b_{20} 76–8°, d_{20} 1.5749, n_D^{20} 1.4472, which decomposes in storage; with $PhNH_2$ it gave *PhNHCHFC(:NOH)NHPh*, m. 157°. To 70 g. $C_2H_3Cl_2F$ was added a soln. of 11.5 g. Na in 300 ml. iso-AmOH, yielding a distillate of 37 g. *CCl₂:CHF*, b. 37.5°. This (22.5 g.) and 15 g. NOCl kept 7 days in a sealed tube gave 25 g. crude trichlorofluoronitroethane, b_{15} 64–70°. Redistn. gave a substance, b_{20} 30°, b_{20} 53.5°, which contained Cl but not N, along with 55% *CHClFCCl₂NO₂*, b_{15} 64–70° (crude), b_{15} 68–9°, d_{20} 1.677, n_D^{20} 1.399. Heating in a steel autoclave 1 kg. C_2HCl_3 with 800 g. 99% dry HF and 500 g. $SbCl_5$ 5 hrs. to 165° at 40–6 atm. followed by distn. gave 670 g. mixed products which after fractionation gave 520 g. *CClF₂CHCl₂*, b. 72–4°. This (150 g.) added in 2 hrs. to 80 g. Zn dust in 300 ml. EtOH, followed by 60 g. Zn dust and refluxing 2 hrs. gave 40 g. CF_2:*CHCl*, b. −15.5°. This (30 g.) and an equiv. amt. of NOCl kept in sealed tube 12 hrs. at 0° in proximity of an electric light bulb showed no reaction; after 72 hrs. at room temp. the mixt. yielded a complex mixt. from which was isolated 2 g. $CHCl_2CF_2NO_2$, b. 90°, b_{10} 52°, d_{20} 1.697, n_D^{20} 1.3982. The main part of the mixt was a yellow viscous mass which gave some $C_4HO_4N_2Cl_4F_4$, whose structure was undetd.; this substance, b_{15} 132°, d_{20} 1.751, gives only a trace of ionic Cl in H_2O; but reacts with aq. NaOH. Heating in an autoclave 1 kg. C_2Cl_4, 450 g. $SbCl_5$, and 850 g. 99% HF over 5 hrs. to 160° (45–50 atm. final pressure) gave 710 g. crude products which on distn. gave 150 g. CCl_2FCClF_2 (I), b. 47.7°, along with other products including 85 g. $CFCl_2CFCl_2$, b. 90–2°. I (150 g.) added in 3 hrs. to 80 g. Zn dust in 30 ml. EtOH, followed by 40 g. Zn dust and refluxing 1 hr., gave 57 g. CF_2:CClF, b. −27.5°. This (57 g.) and 39 g. NOCl in sealed tube 96 hrs. gave 35% unreacted materials and 62 g. products; distn. gave trichlorotrifluoroethane and *CF₂ClCFClNO₂*, b. 77–8°, d_{20} 1.6202, n_D^{20} 1.3727. The addn. reactions of NOCl occur in accord with the expected polarity of the unsatd. link; the pos. NO group adds to the neg. C atom.

G. M. Kosolapoff

62

(2)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKE, A. L.

USSR/Chemistry

Card : 1/1

Authors : Yakubovich, A. Ya., Shapnskiy, V. A., and Lemke, A. L.

Title : Condensation of fluorinated olefins with nitrosyl chloride

Periodical : Dokl. AN SSSR, 96, Ed. 4, 773 - 776, June 1954

Abstract : The condensation of fluorinated olefins (vinyl fluoride, 1, 2-fluorochloro-ethylene, 1-fluoro-2, 2-dichloroethylene. 1, 1-difluoro-2-ethylene chloride, trifluorochloro-ethylene) was carried out by a conventional method at room temperature. The molar ratio of the regent was 1:1. During fractional distillation of the reaction mixture, the authors obtained a compound with boiling point of 55.5° plus a nitrogen-free substance (1, 2-dichloro-1-fluoroethane). Analysis, study of the molecular weight, and properties of this substance showed that it is a nitro-compound of the $C_2H_3FClNO_2$ composition. One reference.

Institution : ...

Presented by: Academician I. L. Knunyant, March 10, 1954

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

YAKUBOVICH, A.Ya.; GINSBURG, V.A.; MAKAROV, S.P.; SHPANSKIY, V.A.; PRIVEZENTSEVA, N.F.; MARTYNOVA, L.L.; KIR'YAN, B.V.; LEMKE, A.L.

Oxidation, reduction, and disproportionation of polyfluonitrosoalkanes. Dokl. AN SSSR 140 no.6:1352-1355 O '61. (MIRA 14:11)

1. Predstavleno akademikami I.L.Knunyantsem i M.I.Kabachnikom.
(Paraffins) (Nitroso compounds) (Oxidation-reduction reaction)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKE, B.N.

Surgical roentgen-metal-cryptoscope. Vest.rent.i rad. no.2:59-62 Mr-Ap '53. (MLRA 6:6)

(X-rays--Apparatus and supplies) (Radiography) (Surgical instruments and apparatus)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKE, Juliusz

Studies on the method of determining the current volume increment of tree stands. Sylwan 104 no.3:1-19 Mr '60.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKE, K.

Determining the optimum ash and moisture content of the concentrate delivered for coking. Obog. i brik. ugl. no.24:68-77 '62. (MIRA 15:10)

(Coal preparation) (Coke)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEICHR, Kh.

A new, still living deep-sea mollusk of the Cambro-Devonian class Monoplacophora (from "Nature," vol.179, no.8, 1957). Zool. zhur. 37 no.4:511-517 Ap '58. (MIRA 11:5)

1. Zoologicheskiy muzey Kopengagenskogo universiteta.
(Mollusks)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMKUL', R.A., dotsent

Specific characteristics of conditioned reflex temporary connections and the place for their closing. Trudy Semipal. med. inst. 2: 5-17 '59. (MIRA 15:4)

1. Iz kafedry normal'noy fiziologii Semipalatinskogo gosudarstvennogo meditsinskogo instituta (zav.kafedroy dotsent R.A.Lemkul').
(CONDITIONED RESPONSE)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

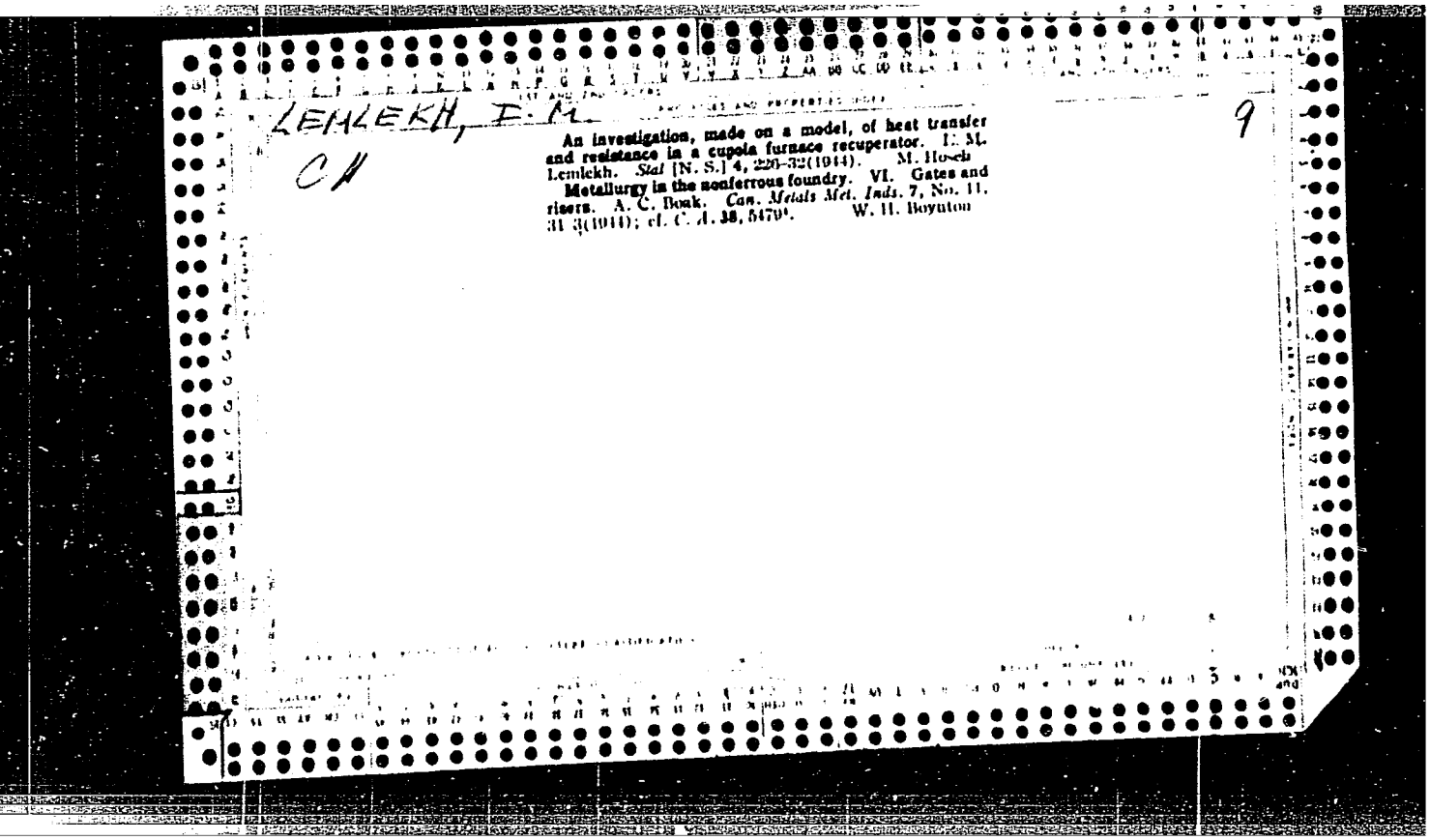
DUDKIN, M.S.; SHKANTOVA, N.G.; SKORNYAKOVA, N.S.; LEMLE, N.A.

Analysis of the chemical composition and the hydrolysis kinetics of polysaccharides from phyllophora and flowering plants of the Black Sea and its limans. Zhur. prikl. khim. 37 no.2:413-418 F '64. (MIRA 17:9)

1. Odesskiy tekhnologicheskiy institut imeni Lomonosova.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1



LEMLEKH, E. M.

CA

9

An investigation, made on a model, of heat transfer and resistance in a cupola furnace recuperator. E. M. Lemlekh. *Stal* [N. S.] 4, 226–32(1944). M. Hoseh

Metallurgy in the nonferrous foundry. VI. Gates and risers. A. C. Boak. *Can. Metals Met. Inds.* 7, No. 11, 31 3(1944); cf. C. A. 38, 5479⁶. W. H. Boynton

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEKH, I. M.

LEMLEKH, I. M.: The use of air blasts in cupola furnaces. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1949. 131 p. (Tekhnologiia mashinostroeniia: Liteinoe proizvodstvo) (50-28379)

TS231.L45

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEKH, I.M., kand.tekhn.nauk

Utilization of heat of combustion products leaving heating furnaces of steel wire plants. Trudy NTO chern. met. 20:460-467 '60.
(MIRA 13:10)

1. Trest Energochermet. TSentral'noye proyektno-konstruktorskoye byuro, Leningradskiy filial.
(Wire industry) (Heat regenerators)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEKH, Izrail Moiseyevich; GORDIN, Veniamin Avseyevich; VAGIN, A.A., red.; ATTOPOVICH, M.K., tekhn. red. [deceased]

[High temperature preheating of air in ferrous metallurgy] Vysokotemperaturnyi nagrev vozdukha v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 352 p. (MIRA 16:3)
(Air preheaters)
(Metallurgical furnaces)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEKH, YA. M.

PA 64/49T59

USSR/Engineering
Heating
Industrial Efficiency

Dec 48

"Utilization Methods of Waste Heat From Forges and the Improvement of Heat Utilization," Ya. M. Lemlekh, Cand Tech Sci, 7½ pp

"Za Ekon Top" No 12

Rational use of waste heat from forges could be solved more effectively in two ways: (1) use of a mazut-heating system for preheating metal and air, and (2) a gas-heating system for preheating air and gas. Measures should be taken in accordance to these suggestions. Includes tables and graphs.

64/49T59

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEKH, Ya.M., inzhener.

Chamber for mold drying. Lit.proizv. no.12:16 D '55. (MLRA 9:3)
(Molding (Founding)) (Drying apparatus)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

133-8-13/28

AUTHORS: Konstantinova, L.I., Lemlekh, Ya.M., and Frenkel', L.A.

TITLE: Gaseous preheating of rolls for rolling thin sheets. (Gazovyy podogrev tonkolistovykh valkov pered ustanovkoy).

PERIODICAL: "Stal'" (Steel), No.8, 1957, pp.724-727 (USSR).

ABSTRACT: Preheating of rolls for rolling thin sheets before assembling in a rolling stand using a gas fired heating installation and the influence of such preheating on the durability of rolls and the output were investigated. The installation for preheating was described earlier (Ya. M. Lemlekh, "Sbornik Ratsionalizatorskikh Predlozheniy, Vnedrennykh v Proizvodstvo," Ts.IIN MChM, vyp.54, 1955). The distribution of thermocouples used for measuring roll temperatures is given in Fig.1. Heating of rotating (1 rpm) and stationary rolls was tested. Temperatures of experimental stationary and rotating rolls and the waste gas in various points of the heating chambers (A), pressure in the chamber and suction in flues (B), pressure of producer gas before the burner (V) are given in Figs.2 and 3 respectively. Changes in the distribution of temperatures across the roll from surface to centre at given time intervals are given in Fig.4. It was found that with preheating of rolls the output increases by 8-10% with simultaneous improvement

Card 1/2

Gaseous preheating of rolls for rolling thin sheets. (Cont.)

of the surface quality of sheets. Mean service life between two subsequent regrindings increases from 63.5 hrs for cold rolls to 72 hrs for preheated rolls. The cost of induction heating of rolls is about 70% higher than that of gaseous preheating. The use of a gas fired preheating installation is recommended.

There are 4 figures and 4 references, all Slavic.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

ASSOCIATION: Leningrad Branch of TsPKB of the "Energochermet" Trust, Odessa Steel Rolling Works. (Leningradskiy Filial TsPKB Tresta "Energochermet", Odesskiy Staleprokatnyy Zavod).

AVAILABLE: Library of Congress

Card 2/2

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEKH, Ya.M. inzh.

Utilization of secondary heat resources in furnace operations of the hardware industry. Trudy NTO chern. met. 20:438-445 '60.
(MIRA 13:10)

1. Trest Energochermet, TSentral'noye proyektno-konstruktorskoye byuro, Leningradskiy filial.
(Heat regenerators) (Rolling mills)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEKH, Ya.M.

Portable gas drier for large molds. Lit.proizv. no.4:44 Ap '63. (MIRA 16:4)

(Drying apparatus) (Foundries—Equipment and supplies)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

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CHUGUNOV, S.Ya.; KATS, V.Ya.; LEMLEKH, Ya.M.

New patenting furnaces. Gaz. prom. 9 no.10:29-32 '64. (MIRA 17:12)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

KAPUSTIN, Aleksandr Pavlovich; LEMLEYN, G.G., prof., retsenzent; KUDRYAVTSEV, B.B., prof., retsenzent; SBITNIKOVA, I.S., red. izd-va; SHUBNIKOV, A.V., akademik, otv. red.; SIMKINA, G.S., tekhn.red.

[Effect of ultrasound on the kinetics of crystallization] Vliianie ul'trazvuka na kinetiku kristallizatsii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 106 p. (MIRA 15:3)
(Ultrasonic waves) (Crystals--Growth)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMMLEYN, V. G

Euclidean rings and rings of principle ideals. Dokl. AN SSSR 97 no.4:585-587 Ag '54. (MLRA 7:9)

1. Predstavleno akademikom A.N.Kolmogorovym.
(Algebra)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210016-1

LEMLEYN, V.G.

Geometrical pro blem for an m-dimensional simplex. Usp.mat. nauk 11 no.1:215-218 Ja-F '56. (MLRA 9:6)
(Topology)

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